



SERIAL NO.  
SS 176, 177 & 178 -

# U.S. SUBMARINES

PERCH NO.176

PICKEREL NO.177 • PERMIT NO.178

## BOOKLET OF GENERAL PLANS

### CORRECTED TO SUIT SHIP

PLACE	DATE	CONSTRUCTION OFFICER
GROTON, CONN	28 Jan. 1936	<i>[Signature]</i>
GROTON, CONN	9 July 1936	<i>[Signature]</i>
GROTON, CONN	9 Feb. 1937	<i>[Signature]</i>

### ORDER OF PLANS

SHEET NO 1	COVER
SHEET NO 2	GENERAL DIMENSIONS & DATA
SHEET NO 3	MAIN DECK
SHEET NO 4	OUTBOARD PROFILE
SHEET NO 5	PLATFORM DECK
SHEET NO 6	HOLD
SHEET NO 7	INBOARD PROFILE

### ELECTRIC BOAT COMPANY, GROTON, CONN.

DATE DEC. 27, 1935

DRAWN L.W.C.

TRACED A.M.S.

CHECKED A.H.B.

EXAMINED *[Signature]*

APPROVED *[Signature]*

CONTRACTOR'S PLAN NO.

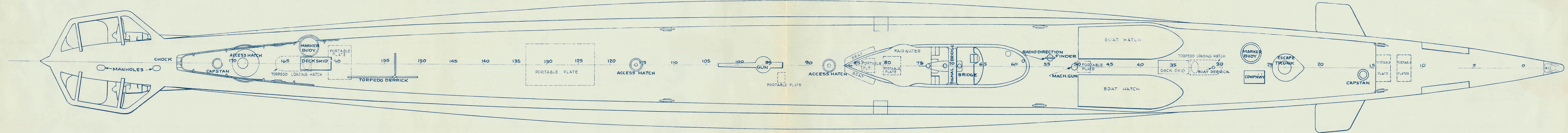
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C.&R.No. 206612

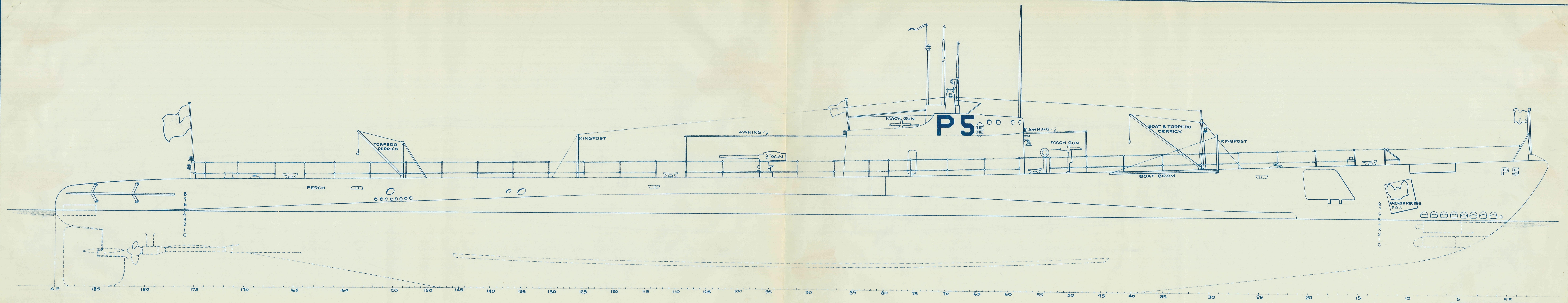


PRINCIPAL DIMENSIONS		HEIGHTS	COMPLEMENT		HOSE CONNECTIONS - WATER				SMALL BOATS	
LENGTH OVERALL	300'- 6 3/4"	LOWEST POINT OF KEEL TO TOP OF STRENGTH	COMMANDING OFFICER	1	NAME	LOCATION	NO.	SIZE	NO.	NAME
LENGTH BETWEEN PERPENDICULARS	292' - 6"	HULL AMIDSHIPS ON $\frac{1}{2}$	EXECUTIVE OFFICER	1	FIRE AND WASH DECK HOSE	MAIN DECK FORD	1	1 1/2	2	20' SPECIAL MOTOR BOATS
PROJECTION FORD OF F.P.	8' - 0 3/4"	LOWEST POINT OF KEEL TO TOP OF BRIDGE	WARD ROOM OFFICERS	3	FIRE AND WASH DECK HOSE	MAIN DECK AMIDSHIPS	1	1 1/2		
LENGTH ON STRAIGHT KEEL	140' - 6"	DECK	TOTAL OFFICERS	5	FIRE AND WASH DECK HOSE	MAIN DECK AFT	1	1 1/2		
BREADTH MOLDED	25' - 0 1/4"	LOWEST POINT OF KEEL TO TOP OF CONNING			FIRE AND WASH DECK HOSE	FORD TORPEDO ROOM	1	1 1/2		
BREADTH EXTREME	25' - 1 1/2"	TOWER PLATING	SEAMEN BRANCH	16	FIRE AND WASH DECK HOSE	CONTROL ROOM	1	1 1/2		
DRAFT - SURFACE CONDITION TO UNDERSIDE OF KEEL PLATES (MEAN)	15' - 2 1/8"	LOWEST POINT OF KEEL TO TOP OF SIGNAL	ARTIFICER BRANCH	12	FIRE AND WASH DECK HOSE	ENGINE ROOM	1	1 1/2		
RATIO - LENGTH TO BEAM	11.67	BRIDGE	ENGINE ROOM FORCE	15	FIRE AND WASH DECK HOSE	MANEUVERING ROOM	1	1 1/2		
SHAFTS DIVERGE AT ANGLE WITH $\frac{1}{2}$ SHIP	1° - 43' - 41"	LOWEST POINT OF KEEL TO TOP OF HIGHEST	SPECIAL BRANCH	2	FIRE AND WASH DECK HOSE	AFT. TORPEDO ROOM	1	1 1/2		
SHAFTS $\frac{1}{2}$ AT REDUCTION GEAR (10 1/4" AFT. FR. 155) FROM $\frac{1}{2}$ SHIP	3' - 7 1/2"	PERISCOPE EXTENDED	COMMISSARY BRANCH	2	FIRE AND WASH DECK HOSE	OFFICERS QUARTERS	1	1 1/2		
SHAFTS $\frac{1}{2}$ AT FR. 181 FROM $\frac{1}{2}$ SHIP	5' - 2"		MESSMEN BRANCH	2	FIRE AND WASH DECK HOSE	CREWS QUARTERS	1	1 1/2		
SHAFTS $\frac{1}{2}$ AT REDUCTION GEAR (10 1/4" AFT. FR. 155) ABOVE BASE LINE	8' - 0 3/4"		TOTAL CREW	49						
SHAFTS RAKE OUTBOARD AND AFT	.0301" PER INCH FROM $\frac{1}{2}$									
SHAFTS RAKE FROM BASE LINE AND FORD	.0158" PER INCH FROM B.L.									
SHAFTS $\frac{1}{2}$ FROM BASE LINE AT FR. 181	7' - 3"									
SCREWS - CENTER FORD OF A. P.	16' - 0"									
RUDDER AXIS FORWARD OF A. P.	9' - 0"									
NUMBER OF FRAMES	192									
FRAME SPACING	BOW TO FR. 34 - 24" FR. 34 TO FR. 86 - 15" FR. 86 TO FR. 92 - 24" FR. 92 TO FR. 154 - 15" FR. 154 TO STERN 24"									









SUBMARINES  
 PERCH PICKEREL PERMIT  
**OUTBOARD PROFILE**  
 SCALE:  $\frac{1}{8}$ " = 1 FT. SHEET NO. 4



